

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL		1. WELL NAME and NUMBER NBU 1022-25E2AS
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		3. FIELD OR WILDCAT NATURAL BUTTES
4. TYPE OF WELL Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>		5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. OPERATOR PHONE 720 929-6515
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217		9. OPERATOR E-MAIL julie.jacobson@anadarko.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML 22447	11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>	
19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>		

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	648 FNL 309 FWL	NWNW	25	10.0 S	22.0 E	S
Top of Uppermost Producing Zone	1479 FNL 631 FWL	SWNW	25	10.0 S	22.0 E	S
At Total Depth	1479 FNL 631 FWL	SWNW	25	10.0 S	22.0 E	S


21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 631	23. NUMBER OF ACRES IN DRILLING UNIT 640
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 2188	26. PROPOSED DEPTH MD: 8326 TVD: 8191
27. ELEVATION - GROUND LEVEL 5481	28. BOND NUMBER 22013542	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8496

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 2130	28.0	J-55 LT&C	0.2	Type V	180	1.15	15.8
							Class G	270	1.15	15.8
Prod	7.875	4.5	0 - 8326	11.6	I-80 LT&C	12.5	Premium Lite High Strength	270	3.38	12.0
							50/50 Poz	1160	1.31	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Danielle Piernot	TITLE Regulatory Analyst	PHONE 720 929-6156
SIGNATURE	DATE 01/27/2012	EMAIL danielle.piernot@anadarko.com
API NUMBER ASSIGNED 43047523020000	APPROVAL  Permit Manager	

T10S, R22E, S.L.B.&M.

Found 1991
Aluminum Cap with
Mound of Stones &
Fence Post.

S89°59'W - 79.98 (G.L.O.)

Found 1991
Aluminum Cap in
Mound of Stones
& Fence Post

S89°56'45"W - 2639.33' (Meas.)

S89°54'54"W - 2639.22' (Meas.)

N0°02'W - 40.10 (G.L.O.)
2645.85' (Measured)
N00°05'31"W (Basis of Bearings)

648'
309'
Well Surface
Position
1479'

**WELL LOCATION:
NBU 1022-25E2AS**

ELEV. UNGRADED GROUND = 5481.2'

631'

Bottom of
Hole

N00°07'48"E - 2633.61' (Meas.)
N0°12'E - 39.90 (G.L.O.)

Found 1991
Aluminum Cap in
Mound of Stones
& Fence Post.

Found 1991
Aluminum Cap in
Mound of Stones
& Fence Post.

25

N0°13'W - 40.08 (G.L.O.)
N00°15'47"W - 2645.97' (Meas.)

NBU 1022-25E2AS (Surface Position)
NAD 83 LATITUDE = 39.925304° (39° 55' 31.093")
LONGITUDE = 109.396606° (109° 23' 47.782")
NAD 27 LATITUDE = 39.925337° (39° 55' 31.215")
LONGITUDE = 109.395926° (109° 23' 45.334")

NBU 1022-25E2AS (Bottom Hole)
NAD 83 LATITUDE = 39.923023° (39° 55' 22.884")
LONGITUDE = 109.395456° (109° 23' 43.643")
NAD 27 LATITUDE = 39.923057° (39° 55' 23.006")
LONGITUDE = 109.394776° (109° 23' 41.195")

Found Set Stone with
Mound of Stones & an
Old Cedar Post.

N0°22'W - 40.01 (G.L.O.)

Found 1991
Aluminum Cap in
Mound of Stones
& Fence Post.

S89°58'44"W - 2636.74' (Meas.)

S89°49'W - 80.03 (G.L.O.)

NOTES:

▲ = Section Corners Located

- Well footages are measured at right angles to the Section Lines.
- G.L.O. distances are shown in feet or chains.
1 chain = 66 feet.
- The Bottom of hole bears S21°15'39"E 891.28' from the Surface Position.
- Bearings are based on Global Positioning Satellite observations.
- Basis of elevation is Tri-Sta "Two Water" located in the NW $\frac{1}{4}$ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PROFESSIONAL LAND SURVEYOR
No. 6028691
JOHN R. LAUGH
STATE OF UTAH
2-25-11

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD: NBU 1022-25D

**NBU 1022-25E2AS
WELL PLAT**

**1479' FNL, 631' FWL (Bottom Hole)
SW $\frac{1}{4}$ NW $\frac{1}{4}$ OF SECTION 25, T10S, R22E,
S.L.B.&M., UTAH COUNTY, UTAH.**



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TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 02-18-11	SURVEYED BY: M.S.B.	SHEET NO: 1 1 OF 20
DATE DRAWN: 02-22-11	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'	Date Last Revised:	